

# By the Numbers

## Moab Uranium Mill Tailings Remedial Action Project

The Moab site is located about 3 miles northwest of the city of Moab in Grand County, Utah, and encompasses approximately 480 acres, of which about 130 acres are covered by a uranium mill tailings pile. In 1956, the Uranium Reduction Company constructed the Moab mill and operated it until 1962 when the assets were sold to Atlas Minerals Corporation. The milling product was a uranium concentrate called yellowcake, which was sold to the U.S. Atomic Energy Commission through December 1970 for use in national defense programs. Mill tailings are the remains from processing uranium ore. After 1970, production was primarily for commercial sales to nuclear power plants. Atlas ceased processing operations in 1984. The former mill site was transferred to DOE ownership in 2001 for cleanup and reclamation. Today, the Moab Uranium Mill Tailings Remedial Action (UMTRA) Project is relocating mill tailings and other contaminated materials from the mill site and offsite vicinity properties to a disposal cell near Crescent Junction, Utah.

### Between 2022-2034

DOE expects to ship approximately 4 million tons of the uranium mill tailings pile to the Crescent Junction disposal site and accomplish closure at Moab.



### In 2009

DOE began relocating tailings to the Crescent Junction disposal cell. Workers excavate and condition tailings in drying beds to reach optimal moisture content. Then tailings are placed in steel containers with locking lids for transport by rail.

### 1,400

tons of ore were processed daily on average during the operational lifetime of the mill.

>13.5 tons of the mill tailings pile have been shipped, amounting to 85% of the estimated total tons.

### 18

extraction and injection wells are currently used to protect surface water quality and recover ammonia, uranium and other contaminants prior to discharge to the Colorado River.

### Up to a 90 ft

thick pile formed from tailings pumped to an unlined impoundment in the western portion of the property that accumulated over time.

An estimated

### 16M

ton mill tailings pile was present when DOE assumed site ownership.



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